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## BEST AVAILABLE COPY

| POSITION                  | INITIALS | ID NO. | DATE    |
|---------------------------|----------|--------|---------|
| FEE DETERMINATION         | M 12     |        | 12-27   |
| O.I.P.E. CLASSIFIER       |          | 20     | 3/11/02 |
| FORMALITY REVIEW          | NP       | 388    | 4/2/02  |
| RESPONSE FORMALITY REVIEW |          |        |         |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|               |              |          |          |      |        |          |          |          | ÷  |          | ••••     | •••••  | ••••          |               | •••••    |
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| Cid           | im           | Т        |          | _    | _      |          | _        | _        | n: | ate      |          |  |               |               | 7        |
| 7             | <u> </u>     | 1        | _        | Τ.   | _      | Г        | Т        | Τ        | _  | Ť        | Т        | Т  | $\overline{}$ | $\overline{}$ | ┨        |
| Final         | Original 3   | C        | 1        | 0    | 4      |          |          |          |    |          |          |  |               |               |          |
|               | 2            | Ŀ        | <b>-</b> |      | 7      | $\vdash$ | +        | +        |    | ╁        | +        | ╁  | +             | +             | $\dashv$ |
|               | 2            | f        | t        | F    | Г      | H        | +        | +        | -  | +        | +        | +  | +             | +             | 1        |
|               | 3            |          | ł        | H    | H      | H        | +        | +        | _  | +        | +        | +  | +             | +             | -        |
|               | 4            | <u> </u> | ł        | ╀    | ┞      | ┞        | +        | +        |    | ╁        | +-       | +  | +             | +             | -        |
| _             | 5            | ╀        | ł        | H    | ╀      | ┝        | ╀        | +        |    | +        | +        | +  | +             | +             | -        |
|               | _            | Ļ        | ŀ        | L    | ╀      | -        | +        | 4        |    | ┼-       | -        | +  | +             | +             | 4        |
|               | 6            | L        | ł        | L    | ļ.     | L        | +        | 4        | _  | ╀        | +        | +  | +             | 4-            | 4        |
|               | 7            | L        | 1        | L    | L      | L        | 1        | 4        | _  | ╀        | ╄        | ╀  | 4-            | 1             | 4        |
| _             | 8            | L        | ļ        | L    | Ļ      | _        | ╀        | 4        |    | ╄        | ┸        | ┸  |               | ┸             | 4        |
|               | 9            | L        | L        | L    | L      | L.       | Ļ        | 4        |    | 1        | ┶        | 4  | 4             | _             | 4        |
| _             | 10           | Ц        | L        | L    | L      |          | L        |          |    |          | ┸        |  | $\perp$       | $\perp$       | ╛        |
|               | 11           | L        | L        |      |        |          |          |          |    |          |          |  | $\perp$       |               | ╛        |
|               | 12           | Ц        | L        | لــا |        |          | L        | $\perp$  |    |          | $\perp$  |  |               |               | ╛        |
| ]             | 13           | Ц        |          | Ц    |        |          |          |          |    |          |          | 1.   |               |               | ╛        |
|               | 14           |          |          |      | Ū      |          | I        | $\int$   |    | Γ        |          | I  | Ι             | $\perp$       | ]        |
|               | 15           |          | ĺ        | Ĺ    |        |          | Γ        |          |    |          | $\Gamma$ |  | Ι             |               |          |
|               | 16           |          | ٦        |      | П      |          | I        | T        | _  |          | Γ        | 1  | T             | Τ             | ]        |
|               | 17)          | П        | Ī        | ٨    | ز      |          | Γ        | T        |    | Г        | T        | Т  | Т             | T             | 7        |
| T             | 18           | П        |          |      | Ì      |          | T        | 1        |    | T        | T        | T  | T             | T             | 1        |
|               | 19           | Π        |          |      |        |          | T        | 1        |    | Ĺ        | T        | 1  | T             | $\top$        | 1        |
|               | 20           | Ħ        |          | H    | Н      |          | T        | +        |    | T        | T        | †  | T             | $\top$        | 1        |
| - 1           | 21)          | H        | +        | 4    | Н      |          | ╁        | +        |    | +        | +        | +  | +             | +             | 4        |
|               | 22           | <u> </u> | 7        | ┨    | ┥      |          | ┿        | +        | -  | +-       | +        | +  | ╀             | +             | ┨        |
| -             | 23           | _        | +        |      | 1      |          | ╁        | +        |    | ⊢        | +        | ╁  | +             | +-            | -        |
| _             | 24           |          | +        |      | +      |          | ┢        | +        | -  | -        | ╁        | ╁  | ╫             | ╁             | 1        |
| $\overline{}$ | 25           |          | ┨        | -    | +      | _        | ╁        | +        |    | ⊢        | ╁        | ╁  | ╁             | ╁             | -        |
|               | 26           |          | 1        |      | +      |          | ⊢        | ╁        | _  | ⊢        | ┿        | ╀  | ╀             | ╆             | -        |
|               | 27           | _        | ┨        | _    | +      |          | ╁        | +        |    | H        | ╁╾       | ╁╾   | ╫             | +-            | ┨        |
| -             | 28           |          | +        |      | +      |          | ⊢        | +        | _  |          | ╁        | ┼  | ╁             | ╀             | -        |
| _             | _            |          | 4        |      | 4      |          | $\vdash$ | +        | _  | -        | ⊬        | +-   | ╀             | ╀             | 1        |
| _             | 29           | _        | 4        | _    | 4      |          | 1        | +        | _  | $\vdash$ | -        | ╀  | +             | +-            | -        |
| _             | 30           | _        | 4        |      | 4      |          | ╄        | +        | _  | <u> </u> |          | ╀  | ╀             |               | 4        |
| _             | 31           | _        | -        | _    | 4      | _        | -        | +        | _  | <u> </u> | 1        | ╁  | ╄-            |               | -        |
|               | 32           | _        | 4        |      | 4      | _        | $\vdash$ | 4        | _  | L        | ┡        | ↓_   | 1             | ↓_            | -        |
| _             | 33           |          | 1        | •    | 4      |          | <u> </u> | 1        |    | _        | $\perp$  | _  | 1             | Ļ             | 1        |
| -             | 34           |          | 1        |      | 1      |          | L        | L        | _  | _        | <u> </u> | _  | L             | <u> </u>      | 1        |
|               | 35           | _        | 1        | _    | 1      |          | L        | L        |    | L_       | _        | 1  | L             | ┖             | 1        |
| _             | 36           |          | 1        |      | 1      |          | L        | L        |    | L        | _        | _  | $\perp$       | _             | ]        |
|               | 37           |          | 1        |      | 1      | _        |          |          |    | _        | L        | $\perp$  | L             |               |          |
| _             | 38           |          | 1        |      | 1      |          | L        | L        | _] |          | L        | oxdot  | L             |               | 1        |
| _             | 39           |          |          | _    | 1      |          | L        | L        |    |          |          |  |               |               | ]        |
| _ [4          | 40           |          | ſ        | _    |        |          |          | 1        | 1  |          | _        |  | Γ             | Γ             |          |
| 7             | 41           |          | T        | _    | T      | _        |          | Т        | ┫  |          | Г        | Π  |               | Π             | 1        |
| _             | 12           |          | †        | _    | t      |          | Т        | t        | ┪  | -        |          | 1  | $\vdash$      | $\vdash$      | ĺ        |
| _             | 43           |          | t        |      | t      |          |          | T        | 7  | _        |          | <del>                                     </del> | ┰             | $\vdash$      | 1        |
| _             | 44           | _        | t        | _    | †      | -        | _        | $^{+}$   | 1  | _        | -        | <del> </del>                                     | $\vdash$      |               | 1        |
| _             | 15           | _        | +        | _    | +      | -        | -        | ╁        | +  | _        | -        | -  | -             | $\vdash$      |          |
| _             | 16           | _        | t        | -    | t      | ᅱ        | _        | $\vdash$ | ┥  | -        | $\vdash$ | $\vdash$   | ├             | -             |          |
|               |              | _        | +        | -    | $^{+}$ | -        |          | ╁╴       | 4  |          | $\vdash$ | H  | ⊢             | $\vdash$      |          |
| +             | 17 ,<br>18 ( | _        | +        |      | ł      | -        | _        | ╀        | 4  |          | -        |  | ├-            | $\vdash$      |          |
|               | 19           | _        | ł        | -    | ╀      |          |          | ╀        | +  | -        | $\vdash$ | ⊢  | $\vdash$      | Н             |          |
| -1:           | <u>7</u>     | _        | ╀        | _    | ╀      | -        |          | ⊢        | +  | _        |          | <u> </u>   | -             | Н             |          |

| Cla           | aim      | Τ  |              |              |          |           | ate          | _         |  |           |           |
|---------------|----------|----|--------------|--------------|----------|-----------|--------------|-----------|--|-----------|-----------|
| <u> </u>      |          | _  | Ţ            | T            | T        | T         | 1            | Т         |  | T         | T         |
| Final         | Original | •  |              |              |          |           |              |           |  |           |           |
| 一             | 51       | _  | +            | +            | +        | +         | $\pm$        | +         | ╅  | ╁         |           |
| ┝             | 52       | _  | +            | +            | ╁        | +         | ╁            | +         | +  | +         | +-        |
| ┝╌            | 53       |    | $^{\dagger}$ | +            | $\top$   | $\top$    | +            | $\dagger$ | +  | +         | +         |
| $\vdash$      | 54       | 1  | T            | T            | $\top$   | Ť         | $^{\dagger}$ | +         | +  | $\top$    | +         |
|               | 55       | 5  |              |              |          |           |              |           |  |           |           |
|               | 56       |    |              | 1            |          |           |              |           |  |           |           |
|               | 57       |    | $\perp$      | $\perp$      |          | _ _       | $\perp$      |           | 1  | Ļ         |           |
|               | 58       | -  | ╀            | 1            | 1        | 4         | +            | 1         | 4  | 4.        |           |
| _             | 59       | -  | ╀            | +            | +        | +         | +            | +         | +  | +         |           |
|               | 61       |    | +            | +            | +-       | +-        | +            | +         | +-   | +         | +         |
|               | 62       |    | +            | +            | +        | +         | +            | +-        | ╫  | +         | ╁         |
|               | 63       |    | +            | +            | +        | +         | +            | +         | ╁  | ╁         | +-        |
|               | 64       | -  | $^{+}$       | +            | ╁        | +         | 十            | +         | +  | ╁         | ┢         |
| _             | 65       | t  | T            | †            | 1        |           | $^{+}$       | $\top$    | +-   | +         | $\dagger$ |
|               | 66       | +- | $\dagger$    | Ť            | Ť        | $\top$    | $^{\dagger}$ | †-        | $\top$   | Ť         | T         |
|               | 67       |    |              | T            | T        |           |              |           |  |           |           |
|               | 68       | _  |              | I            | L        | I         | I            |           |  | Ι         |           |
|               | 69       | +  | L            | $\perp$      | $\perp$  |           | $\perp$      | ╧         |  | $\perp$   |           |
|               | 70       | _  |              |              |          |           |              |           |  |           |           |
|               | 71       |    | $\perp$      | 1            |          |           |              | $\perp$   |  | Ľ         |           |
| _             | 72       |    | $\perp$      | $\perp$      | 1        | 1         | $\perp$      |           | _  | ┸         | ┺         |
|               | 73       |    | +            | $\downarrow$ |          | -         | $\perp$      | _         | $\bot$   | $\perp$   | -         |
| $\dashv$      | 74<br>75 | _  | ╀            | +-           | +        | +         | +            | +-        | +  |           | $\vdash$  |
| $\dashv$      | 76       | _  | +            | +            | ┿        | ┿         | ╁            | ╁         | ╁  | ╁         | +         |
| -             | 77       | _  | ╁            | +            | ╁        | +         | +            | ╁╴        | ╁  | ╁         | +         |
| $\dashv$      | 78       | ╁╌ | +            | +            | 1        | +         | $\dagger$    | +         | +  | $^{+}$    | 1-        |
| _             | 79       |    | t            | t            | ╁        | $\top$    | ✝            | +         | ✝  | +         |           |
|               | 80       |    | 1            | T            | T        | $\top$    | T            | ╁         | †  | $\dagger$ | П         |
|               | 81       |    |              | Τ            | 1        | T         | T            | Ţ         |  | T         | П         |
|               | 82       |    |              |              |          |           | Τ            |           |  | П         |           |
| $\rightarrow$ | 83       | L  |              | L            | ┸        |           |              |           |  |           |           |
|               | 84       | L  | <u> </u>     | Ļ            | 1        | 1         | ╀            | 1_        | ╙  | ╙         | Ш         |
| _             | 85       | _  | ╀            | ╄            | ╀        | $\bot$    | ╁            | ╀-        | ┞  | ╄-        | Ц         |
|               | 86<br>87 | ļ  | ╀            | +            | ┼-       | +-        | ╀            | ┼-        | ╀  | ┢         | Н         |
| _             | 88       | -  | ⊢            | ╁            | +-       | ┿         | ╀            | ╁         | ╀  | ┼         | Н         |
|               | 89       |    | +-           | ╁╌           | +        | ╁         | ╁            | ╁         | ╁  | ╁         | Н         |
| _             | 90       | _  | H            | ┢            | ╁        | +         | ┢            | ╁         | $\vdash$   | ╁         | Н         |
| _             | 91       | _  | $\vdash$     | $\vdash$     | +        | ╁╴        | ┢            | ╁╴        | ┢  | ╁         | Н         |
| _             | 92       | _  | $\vdash$     | ╁            | ╁        | +         | +            | $\vdash$  | -  | $\vdash$  | H         |
| _             | 93       |    | 1            | $\vdash$     | $\vdash$ | $\dagger$ | 1            | $\vdash$  | <del>                                     </del> | $\vdash$  | Н         |
|               | 94       |    | Г            | Τ            | 1        | T         | Τ            | 1         | $\vdash$   |           | $\vdash$  |
|               | 95       |    |              |              | Γ        | Ī         | Γ            |           | Т  |           | Н         |
|               | 96       |    |              |              |          |           |              |           |  |           |           |
|               | 97       |    |              |              |          |           |              |           |  |           |           |
|               | 98       |    | Ĺ            |              | Ļ        | Ļ         | Ľ            |           |  | $\Box$    |           |
| _ [5          | 99       |    | <u> </u>     | L            |          | L         |              |           |  | L         |           |

| C        | laim          | Γ        | _ | _        |          | 0        | ate     |          |           | _         | -         |          |
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| F        |               |          |   | Т        | T        | T        | T       | Т        | ٦         | _         | Т         | Τ        |
| 1=       | Original      |          |   |          |          |          | 1       |          |           |           |           |          |
| Final    | Įξ            | ١,       |   |          | 1        |          | ł       |          | -         |           |           |          |
| 一        | 101           | H        |   | t        | $^{+}$   | $\pm$    | +       | +        | 7         | -         | ┢         | ╁        |
| -        | 102           | Н        |   | $^{+}$   | $^{+}$   | +        |         | +        | $\dashv$  | _         | ┢         | ╁        |
| $\vdash$ | 103           | Н        |   | t        | +        | ╅        | 十       | 十        | ᅥ         |           | ⊢         | ╁╌       |
| -        | 104           | Н        |   | ╁        | +        | ╁        | +       | +        | 4         | _         | H         | ╁        |
| <u> </u> | 105           | H        |   | +        | +        | ╅        | +       | $\dashv$ | ┪         | _         | ┝         | ╁        |
| Н        | 106           | Н        |   | t        | +        | +        | ╁       | ╌        | $\dashv$  |           | ┝╌        | ╁╴       |
| -        | 107           | Н        |   | ╁        | +        | ╁        | ╌       | +        | $\dashv$  | _         | ⊢         | ╁        |
| H        | 108           | $\dashv$ | - | ╁╴       | ╁        | +-       | +       | +        |           |           | ⊢         | ╁        |
| $\vdash$ | 109           | $\dashv$ |   | +-       |          | +-       | +       | +        | +         | —         | ┝         | ╁        |
| ┢        | 110           |          |   | ╁        | ╅        | ╫        | +       | +        | +         | _         | ⊢         | ╁        |
| ⊢        | 111           |          |   | ╁        | +        | ╁        | ╁       | -        | +         | _         | ⊢         | ╁        |
| ⊢        | 112           |          | _ | ╀        | +        | ┰        | +       | +        | +         | _         | -         | ╁        |
| ⊨        | 113           |          |   | ╁        | +-       | +        | +       | +        | $\dashv$  | _         | H         | ╀        |
| <u> </u> | 114           | -        |   | ⊢        | +        | +        | +-      |          | +         |           |           | ⊦        |
| ├        | 115           |          |   | ╁        | +        | +        | ╌       | +        | $\dashv$  |           | H         | ⊢        |
| $\vdash$ | 116           |          |   | $\vdash$ | +        | +        | +-      |          | +         | _         |           | ⊢        |
| ⊢        | 117           | $\dashv$ | _ | ├-       | +        | +        | +       | +        | -+        | -         | -         | -        |
| ⊢        | 118           |          | _ | -        | +        | +        | ╁       | +        | +         |           |           | ┝        |
| ⊢        | $\rightarrow$ | -        |   | -        | +        | ┿        | ┿       | +        | 4         | _         | _         | ┞        |
| ⊢        | 119           |          |   | ├        | +        | +        | +       | +        | 4         | $\dashv$  | -         | ┡        |
| <u> </u> | 120           | _        |   | L        | ╀        | $\perp$  | 4_      | _        | _         | _         |           | L        |
|          | 121           | $\dashv$ |   | L        | ┸        | ┸        | $\perp$ | ┸        | 4         | _         | _         |          |
|          | 122           | _        |   | L        | ┸        | 1_       | 1       | ┵        | _         |           |           | L        |
|          | 123           | _        |   | L        | $\perp$  | $\perp$  | 1       | $\perp$  | 1         |           |           | L        |
|          | 124           |          |   | _        | _        | _        | l       | $\perp$  | $\perp$   | $ \bot $  | _         |          |
|          | 125           |          |   | L        | L        |          | ┸       | ┸        | 4         |           |           |          |
|          | 126           | _        |   | L        | ┸        | ┸        | 1       | ┸        | 4         |           |           |          |
|          | 127           | _        |   |          |          | $\perp$  | $\perp$ | L        | $\perp$   |           |           | L        |
|          | 128           | $\perp$  |   |          | <u> </u> | $\perp$  | $\perp$ | ┸        | $\perp$   |           |           |          |
|          | 129           | $\perp$  | _ | L        | ┸        | $\perp$  | $\perp$ | $\perp$  |           |           |           |          |
|          | 130           |          |   | _        | 1_       | <u> </u> | 1       | L        | 1         | $\perp$   |           |          |
|          | 131           | _        |   |          |          |          | $\perp$ | _        | ┙         |           |           |          |
|          | 132           | $\perp$  |   |          | L        |          | L       | $\perp$  | $\perp$   |           |           |          |
|          | 133           | Ŀ        |   | L        | L        |          | 1_      |          |           |           |           |          |
|          | 134           |          |   |          | ┖        | ┸        |         | L        | $\perp$   |           |           |          |
|          | 135           |          |   |          |          |          | L       | Ι        |           |           |           |          |
|          | 136           |          | _ |          | ┖        | L        |         | L        |           |           |           |          |
|          | 137           | $\perp$  |   |          | L        |          | L       |          | L         |           |           |          |
| _        | 138           | $\perp$  | ┙ | _        | 乚        |          | L       | L        | $\perp$   |           | _         |          |
|          | 139           | $\perp$  | ╛ |          |          | L        | L       |          |           |           |           |          |
|          | 140           | $\Box$   |   |          | L        | $\perp$  | Ĺ       | 1        | ſ         | _[        | $_{I}$    | _        |
| ٦        | 141           | T        | T |          | Г        | Γ        | Г       | Γ        | T         | T         | ヿ         |          |
|          | 142           | $\top$   | _ | _        |          |          |         | T        | $\dagger$ | $\dagger$ | 7         |          |
|          | 143           |          | 7 |          |          |          |         | Τ        | 1         | ナ         | 7         |          |
|          | 144           | T        | 7 |          |          |          | Γ       | Τ        | T         | $\top$    | ヿ゙        |          |
| T        | 145           | 丁        | 7 |          |          | Г        |         | T        | Ť         | $\dagger$ | $\dashv$  |          |
|          | 146           | T        | 7 |          |          | Г        | Г       | T        | Ť         | $\dagger$ | ヿ         | _        |
| $\neg$   | 147           | ┪        | 7 |          |          |          | Т       | T        | T         | $\dagger$ | 7         |          |
| 1        | 148           | $\top$   | 1 |          | _        | Т        | _       | t        | T         | 十         | +         | $\dashv$ |
|          | 149           | $\top$   | 7 |          |          |          |         | 1        | T         | +         | $\dagger$ | ┨        |
| 7        | 150           | 土        | Ī |          |          |          |         | Γ        | 1         | $\dagger$ | $\top$    |          |
|          |               | _        |   |          |          |          |         |          |           |           |           |          |

If more than 150 claims or 10 actions staple additional sheet here